(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 3 March 2005 (03.03.2005)

PCT

(10) International Publication Number WO 2005/019162 A1

(51) International Patent Classification⁷: C07C 259/06

(21) International Application Number:

PCT/KR2004/002143

(22) International Filing Date: 26 August 2004 (26.08.2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data:

 10-2003-0059177
 26 August 2003 (26.08.2003)
 KR

 10-2004-0020401
 25 March 2004 (25.03.2004)
 KR

 10-2004-0054886
 14 July 2004 (14.07.2004)
 KR

(71) Applicant (for all designated States except US):
AMOREPACIFIC CORPORATION [KR/KR]; 181,
Hangan-ro 2-ga, Yongsan-gu, Seoul 140-777 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RHO, Ho, Sik [KR/KR]; No.405-1704, Chungmyung Jukong 4th Apartment, Youngtong-dong, Paldal-gu, Suwon-si, Kyunggi-do 442-738 (KR). BAEK, Heung, Soo [KR/KR]; 200-14 Doksan 4-dong, Geumcheon-gu, Seoul 153-014 (KR). KIM, Su, Jong [KR/KR]; 314-1, Bora-ri, Giheung-eup. Yongin-si, Kyunggi-do 449-904 (KR). KIM, Su, Nam 101-203 Sinil Apartment, 319 Yul-[KR/KR]; No. jeon-dong, Jangan-gu, Suwon-si, Kyunggi-do 440-826 (KR). CHAE, Byung, Geun [KR/KR]; No. 102-1404, Kumho Apartment, Garak-dong, Songpa-gu, Seoul 138-751 (KR). LEE, Byoung, Seok [KR/KR]; No. 101-1802, Dongsung Apartment, 243, Geumgok-dong, Gwonseon-gu, Suwon-si, Kyunggi-do 441-841 (KR). KIM, Bae, Hwan [KR/KR]; No. 903-606, Byuckjuckgoal 9th Jukong Apartment, Youngtong-dong, Paldal-gu, Suwon-si, Kyunggi-do 442-726 (KR). CHOI, Gyu, Ho [KR/KR]; 314-1, Bora-ri, Giheung-eup, Yongin-si, Kyunggi-do 449-904 (KR). SON, Eui, Dong [KR/KR]; No. 406-702, Chungmyung Jukong 4th Apartment, Yongtong-dong, Paldal-gu, Suwon-si, Kyunggi-do 442-470 (KR). LEE, Hae, Kwang [KR/KR]; No. 105-1504,

Saerunggol Punglim Apartment, 166, Shingal-ri, Giheung-eup, Yongin-si, Kyunggi-do 449-598 (KR). LEE, Hye, Won [KR/KR]; No. 307-1106, Jukong Greenvill, Keumwhamaul, Sanggal-ri, Giheung-eup, Yongin-si, Kyunggi-do 449-958 (KR). CHO, Jun-Cheol [KR/KR]; No. 602-1501, Punglim Apartment, 977-2, Youngtong 2-dong, Paldal-gu, Suwon-si, Kyunggi-do 442-470 (KR). KIM, Duck, Hee [KR/KR]; No. 2-902, Family Apartment, Jamwon-dong, Seocho-gu, Seoul 137-030 (KR). CHANG, Ih, Seop [KR/KR]; No. 102-1104, Dongbo Apartment, 703, Pungduckchon-ri, Suji-eup, Yongin-si, Kyunggi-do 449-846 (KR). LEE, Ok, Sub [KR/KR]; No. 309 LG Village 3rd, Sungdongmaul, 726, Sungbok-dong, Yongin-si, Kyunggi-do 449-844 (KR).

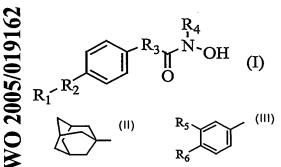
- (74) Agent: YOON, Dong, Yol; Yoon & Lee, International Patent & Law Office, 9th Fl., Yosam Bldg., 648-23, Yoksam-dong, Kangnam-gu, Seoul 135-748 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HYDROXAMIC ACID DERIVATIVES AND THE METHOD FOR PREPARING THEREOF



(57) Abstract: The present invention provides hydroxamic acid derivatives represented by the following formula (I), having anti-aging efficacy and a method for preparation thereof: wherein, R_1 is or, herein, R_5 and R_6 each independently represents a hydrogen atom, a C_1 - C_{10} alkyl group or a C_3 - C_6 cyclic alkyl group; R_2 is CONH, NHCO, CONR, or NR, CO, herein, R_7 represents a C_1 - C_{10} alkyl group; R_3 is (CH)_n-, herein, n=0 or 1; and R_4 is a hydrogen atom or a C_1 - C_{10} alkyl group. Further, the present invention provides skin-care external compositions for preventing skin aging, containing said hydroxamic acid derivatives represented by the formula (I) as an active ingredient.

